

ABSTRACT

A self-adjusting fluid surface skimmer and a wastewater treatment system incorporating the same are provided. In one embodiment, the skimmer includes an intake passage and an outlet passage. The intake passage comprises first and second passageways connected by a flexible coupling. A collar is positioned around the first passageway near an intake opening. At least one buoyant member is attached to the collar and facilitates self-adjustment of the skimmer. A gas inlet is disposed in the outlet passage and allows for the movement of gas through the outlet passage, which creates a suction effect in the intake passage. The wastewater treatment system comprises an aeration tank disposed in a settling tank such that a clearance is created between the two tanks. A skimmer according to the present invention is disposed within the clearance. The skimmer enables further removal of solids from treated fluid within the settling tank prior to leaving the treatment system.